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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/468,489	12/20/1999	HONGYONG ZHANG	1612.63479	3703	
75	90 08/27/2003				
PATRICK G BURNS ESQ			EXAMINER		
GREER , BURNS & CRAIN LTD 300 S. WACKER DR 25TH FLOOR			QUACH, TUAN N		
CHICAGO, IL	00000		ART UNIT	PAPER NUMBER	
			2814		
			DATE MAILED: 08/27/2003	DATE MAILED: 08/27/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

			MC			
	Application No.	Applicant(s)				
	09/468,489	ZHANG, HONGYO	ZHANG, HONGYONG			
Office Action Summary	Examiner	Art Unit				
	Tuan Quach_	2814				
The MAILING DATE of this communication app ars on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR R THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CI after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b). Status	ON. FR 1.136(a). In no event, however, may a on. a reply within the statutory minimum of the period will apply and will expire SIX (6) MC statute, cause the application to become A	a reply be timely filed nirty (30) days will be considered timely DNTHS from the mailing date of this co ABANDONED (35 U.S.C. § 133).	y. ommunication.			
1)⊠ Responsive to communication(s) filed on	ı <u>02 June 2003</u> .					
2a) This action is FINAL. 2b)	This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims						
4)⊠ Claim(s) <u>1-29</u> is/are pending in the applic	cation.					
4a) Of the above claim(s) 7-21 is/are without						
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) 1-6 and 22-29 are subject to restriction and/or election requirement.						
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>20 December 1999</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12)☐ The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
 a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-94 3) Information Disclosure Statement(s) (PTO-1449) Paper N	18) 5) Notice of	w Summary (PTO-413) Paper No of Informal Patent Application (PT				

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DETAILED ACTION

Election/Restrictions

This application contains claims directed to the following patentably distinct species of the claimed invention:

- 1. The species of the claimed invention in claims 1-6 and 22 comprising forming the island-shaped semiconductor, gate insulating film on and across an intermediate region and exposing ends regions, forming gate thereon, the gate being retarded from edges to define a channel region under the gate, offset regions below the gate insulating layer between the channel and the end regions, implanting dopant into the offset regions through the gate insulating film to form lightly doped regions, implanting dopant into end regions directly to form heavily doped source/drain region having higher concentration.
- 2. The species of the claimed invention in new claims 23-28 comprising forming island shaped semiconductor layers on substrate having insulative surface, forming gate insulating layer thereon, forming gate electrode on the insulating film, the gate being retarded form the edges of the gate insulating film to define channel region and offset region adjacent to the channel region under the gate insulating film, implating dopant into first regions of the semiconductor layer outside of said gate insulating film directly by ion implantation to form lightly doped region, implanting dopant into outer regions within said first regions in each of the semiconductor layer directly to form heavily doped source/drain region having higher concentration.

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3. The species of the claimed invention in new claim 29 comprising forming island-shaped semiconductor layers, forming gate insulating film on the substrate and covering the semiconductor layers, forming gate electrode layer thereon, the gate electrode being retarded from edges of the gate insulating film, implanting dopant into first regions at outsides of said gate insulating film and regions designated for the offset regions under said gate insulating film directly to form lightly doped region, implanting dopant into outer regions within the first regions directly to form heavily doped source draing regions having higher concentration.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

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Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Quach whose telephone number is 703-308-1096. The examiner can normally be reached on M - F from 9 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Wael Fahmy can be reached on (703) 308-4918. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9318 (Before Final) and (703) 872-9319 (After Final).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Tuan Quach
Primary Examiner